

Decorative Foils

LEADING APPLICATIONS

- Cabinets & Doors • Furniture & Cabinet Surfaces • Closet Systems
- Store Fixtures • Ready to Assemble Furniture • Picture Frames •

HOW IT'S MADE

Decorative foils are generally pre-impregnated with a blend of melamine, acrylic and urea resins during the paper-manufacturing process, or post-impregnated after the paper is fully cured. Decorative foils weigh between 40 and 200 grams/m² untreated. During the impregnation process, the cellulose papers typically gain between 20 and 50 percent of their base weight.

Those between 100 and 200 grams are dubbed specialty papers and are more likely than lighter-weight varieties to be used for exposed decorative surfaces. The impregnated foils are bonded with an adhesive system to a substrate such as MDF or particleboard.

Decorative foils are an intermediate-range, paper-based overlay and are also called impregnated papers.

Quantity, method and type of impregnation, as well as the type of adhesive system and substrate, will have a direct effect on the finished product. These qualities will be demonstrated in cutting and machining performance.

Although impregnated papers do not require a topcoat to be considered a foil, most foils receive a finished topcoat for increased durability and scratch resistance.

DECORATIVE FOILS ARE ADHERED TO A SUBSTRATE USING A GLUE SYSTEM. THE APPLICATIONS ARE VIRTUALLY IDENTICAL TO THERMALLY FUSED PAPERS AND INCLUDE FURNITURE FOR THE HOME ① AND SHELVING AND CLOSET SYSTEMS ③, INCLUDING SLATWALL ②.



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1 PART
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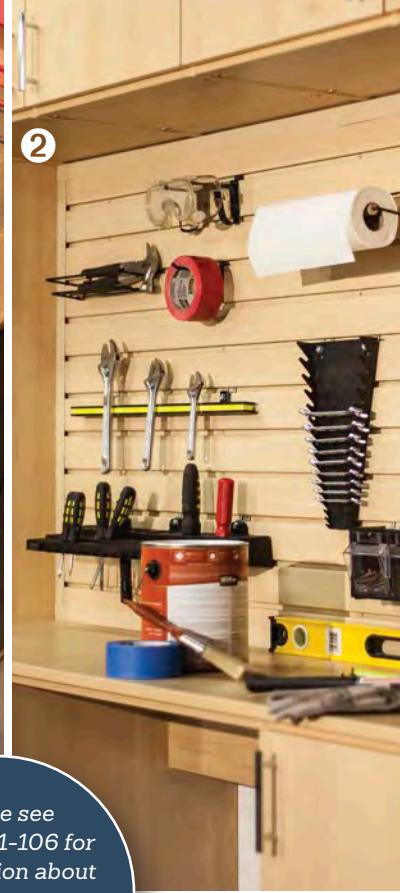
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MIXOLOGY



Please see pages 101-106 for information about the companies that produce decorative foils.

Due to substrate surface advancements, the use and performance of decorative foils has increased. Widespread use of decorative foils ranges from retail fixtures to closet systems, RTA furniture, profile wrappings and POP displays. Specifiers choose decorative foils for their sharp print fidelity; wear-, stain- and water-resistant qualities; ease of maintenance, durability, cost-effectiveness, and their reliable machining and manufacturing characteristics. ■

HEAT TRANSFER FOILS

Heat transfer foils involve the transfer of a complete coating system from a carrier film to a substrate by means of heat and pressure. When transferred at point of contact between heated roller and substrate, the coating system provides both a decorative effect and a protective layer to provide specified end use properties.

The foils are gravure printed in reverse sequence on a co-polymer film. That is, the release coat is applied first followed by a protective coating, the decorative pattern, the base coat and finally, the heat-activated adhesive. These foils can be applied vertically or horizontally to flat surfaces, curves, edges and contoured profiles. They are thermoformable, making them ideal for applications with doors or decorative trim, and can be restamped after application to correct defects or damage. ■

SMART CHOICE!

Popular for Good Reasons:

Easy | Axis

Foot-Rotated Turntable makes spraying easier.



HDPE Construction cleans up quickly – residue can't stick!

Choose support plates with non-slip pads or stainless-steel elevation pins.

Dura | Rack

Versatile drying rack securely handles both large and small parts.

Robust powder-coated steel frame with solid aluminum support rods.

Replaceable coated paper tubes keep your product clean.



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